

SUPER-BRAOD-BAND ACHROMATIC LENS

Patent number: JP4234013
Publication date: 1992-08-21
Inventor: SHIIZAA EE SEPURUBEDA
Applicant: SANTA BARBARA RES CENTER
Classification:
- international: G02B1/02; G02B9/06; G02B13/14
- european: G02B1/02; G02B13/14Z
Application number: JP19910175477 19910716
Priority number(s): US19900552973 19900716

Also published as:



EP0467240 (A1)

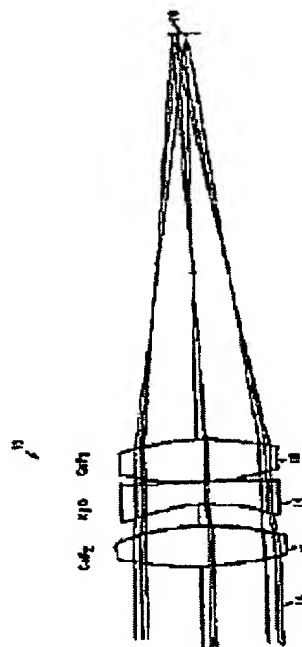
EP0467240 (B1)

[Report a data error here](#)

Abstract of JP4234013

PURPOSE: To provide an achromatic optical system which is simultaneously corrected for chromatic aberrations and other aberrations in a wide and long band from visible light to near IR ray region, i.e., from 0.5 to 5 microns.

CONSTITUTION: A lens system 10 is composed as a Cook's triplet optically aligned with a first positive (convergent) element 12 formed of calcium fluoride, a second negative (divergent) element 14 formed of magnesium oxide and a third position (convergent) element 16 formed of calcium fluoride or as a wide- band triplet consisting of the negative element formed of the magnesium oxide of the first element and the third element and the positive element formed of the calcium fluoride of the second element.



Data supplied from the **esp@cenet** database - Worldwide